

Powering Dynamic Freight with Scalable Public Charging

Fleet size

12 trucks

Freightliner eCascadia
and Volvo VNR Electric

Location

Greenlane Colton
Center in the Inland
Empire (I-10 & I-215)

Use case

Variable, multi-shift
charging to support
regional mixed-freight
logistics





Operational Flexibility Meets Public Infrastructure

Nevoya operates a highly diverse logistics network serving a variety of customer types, payloads and delivery cycles. This variability creates a constantly shifting energy demand profile, making traditional private depot charging impractical and costly to scale.

At Greenlane's Colton Center, Nevoya adopted public high-power charging to complement its decentralized delivery model. The fleet leveraged 400 kW-capable chargers for top-ups and extended dwell charging, supported by on-site driver amenities and a dedicated dispatch office for real-time coordination.

Result >

Consistent uptime and route completion despite irregular duty cycles.



Adaptive Energy Management for Irregular Load Profiles

Nevoya's charging demand fluctuates day to day in response to the dynamic needs of their customers. Greenlane's SCADA and EMS integration is designed to be agile for this exact use case, adjusting load allocation across chargers in real time based on available power, grid conditions, and Time-of-Use (TOU) pricing. Each session's telemetry data was logged and analyzed to refine predictive load models, allowing Greenlane and Nevoya to forecast future site usage and optimize dispatch schedules.

The combination of dynamic load management and TOU-aware scheduling minimized grid strain even when multiple Class 8 units initiated charging simultaneously. Advanced energy forecasting also provided insight into average dwell durations reflecting driver rest periods and multi-leg delivery routes.

Result >

Stable operations under highly variable load, enabling stronger cost control and multi-route optimization.



Site Design That Enhances Driver Productivity

Greenlane's Colton site design supported Nevoya's operational needs as they began deploying EVs. Wide pull-through lanes, 24/7 on-site support, and RFID-controlled access helped drivers achieve faster staging, more predictable workflows, and improved safety. Since Nevoya often charges with fully loaded trailers and has limited time to drop them, the site layout helped them operate more efficiently by reducing the need to break workflow for trailer drops or tight turns.

To further streamline operations, Greenlane also provides dedicated parking lanes for trailers. These lanes enable Nevoya to swap a low State-of-Charge vehicle for a fully charged truck without interrupting workflow, and to stage or store trailers between routes as needed, reducing congestion and improving daily throughput.

The dedicated on-site operations office further enhances their workflow by giving dispatch managers a central location to coordinate with drivers, manage shift transitions, and optimize route planning.

Result >

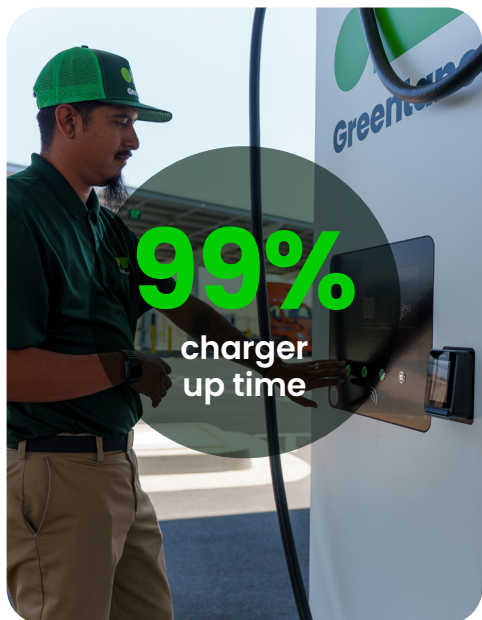
Shorter wait times (30+ minutes saved per shift), improved route efficiency, and higher driver satisfaction.

Why It Matters

Nevoya's experience shows how public charging can scale EV operations faster and with less risk than just building private depot infrastructure. By tapping into Greenlane's high-capacity public network, Nevoya avoided long utility timelines and major capital costs, accelerating EV deployment while improving driver efficiency and simplifying daily fleet operations.



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Customer Experience & Service Excellence

Nevoya's operations depend on Greenlane's commitment to driver-first design and operational excellence. Greenlane's 99% charger uptime coupled with its 96% customer satisfaction score across all fleets underscores that reliability, safety, and driver comfort are not optional, they are integral components of a modern freight-charging ecosystem. By combining intelligent infrastructure with attentive service, Greenlane ensures every fleet—predictable or dynamic—stays charged, productive, and confident on the road ahead.



Greenlane's mission is to design, develop, install and operate a nationwide, high-performance, electric vehicle public charging network for medium- and heavy-duty battery-electric commercial vehicles. Greenlane addresses the urgent need for publicly available, nationwide electric charging infrastructure for commercial vehicles, especially for long-haul freight operations, and is a critical step toward the development of a sustainable electric vehicle ecosystem across North America.

Contact Us

sales@drivegreenlane.com

www.drivegreenlane.com

[949-705-9426](tel:949-705-9426)